

Harsh Kumar

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EDUCATION

Graphic Era Deemed to be University

Bachelor of Technology in Computer Science and Engineering (GPA: 8.73 / 10.00)

Dehradun, Uttarakhand

Sept 2021- Present

Kendriya Vidyalaya

C.B.S.E (12th) (89.4 %)

Shahjahanpur, Uttarpradesh

April 2020 – March 2021

Kendriya Vidyalaya

C.B.S.E (10th) (87.4 %)

Shahjahanpur, Uttarpradesh

April 2018 – March 2019

PROJECTS

Multiplayer Chess Game | Node.js, Express.js, Socket.IO, JS, Tailwind CSS

June 2024 - July 2024

- Developed a real-time multiplayer chess game with **100% seamless gameplay** using **Node.js, Express.js, and Socket.IO** to enable efficient server-client communication.
 - Designed a responsive interface with Tailwind CSS and JavaScript for a seamless user experience.
 - Optimized game performance for real-time synchronization and low-latency gameplay.
- Live Link:** Play Chess Online **GitHub:** Code

Virtual Mouse | OpenCV, MediaPipe, PyAutoGUI, Python

May 2024 - June 2024

- Implemented a sophisticated hand gesture-based cursor control system using OpenCV, MediaPipe, PyAutoGUI, and pynput, achieving precise movement and control.
 - Enabled precise cursor control with single-click and double-click through gesture recognition.
 - Integrated a screenshot capture feature, expanding the system's capabilities.
- GitHub:** Code

Algorithm Visualizer | React.js, JavaScript

July 2024 - Aug 2024

- Created an interactive algorithm visualizer in React.js for key graph algorithms: Dijkstra's, BFS, DFS, Bellman-Ford, and Kruskal's.
 - Integrated dynamic visualizations to represent algorithm execution, enhancing understanding of graph traversal.
 - Improved user experience with smooth animations and intuitive controls.
- Live Link:** Visualizer **GitHub:** Code

Speech Translator | React.js, JS, APIs for speech-to-text and translation

Dec 2023 - Jan 2024

- implemented a React-based web application for high-accuracy speech-to-text conversion with integrated multi-language translation using modern APIs.
 - Integrated multi-language translation features to convert text into various languages.
 - Optimized real-time translation for seamless user experience and global accessibility.
- Live Link:** Speech Translator **GitHub:** Code

TECHNICAL SKILLS

Languages: C, C++, SQL, JavaScript, HTML, CSS, Java.

Frameworks/Libraries: Express.js, Node.js, ReactJS.

Developer Tools: Git, Github, Google Cloud Platform, VS Code.

Libraries: pandas, NumPy, Opencv, Mediapipe.

Soft skills and Areas of Interest : Problem Solving, Interpersonal Skills.

Database: MySQL.

SCHOLASTIC ACHIEVEMENTS

Solved: 800+ problems combinely on Leetcode and GFG.

Leetcode: Link

GFG: Link

RELEVANT COURSEWORK

Computer Science: Data structures and algorithms, Object-Oriented programming, Database management system, operating system, computer networks.



Certificate no: UC-1aa7a798-a861-4648-a47c-b5a915f5b076

Certificate url: ude.my/UC-1aa7a798-a861-4648-a47c-b5a915f5b076

Reference Number: 0004

CERTIFICATE OF COMPLETION

The Complete Node.js Developer Course (3rd Edition)

Instructors **Andrew Mead, Rob Percival**

Harsh kumar

Date **June 8, 2023**

Length **35 total hours**



Certificate no: UC-90ee45f3-3992-4577-a609-66a5353f8400
Certificate url: ude.my/UC-90ee45f3-3992-4577-a609-66a5353f8400
Reference Number: 0004

CERTIFICATE OF COMPLETION

The Complete 2022 Web Development Bootcamp

Instructors **Dr. Angela Yu**

Harsh kumar

Date **July 20, 2022**

Length **65.5 total hours**

TCS EMPLOYMENT APPLICATION FORM

BASIC DETAILS

Reference # CT20234259773

PERSONAL DETAILS

College/Institute Graphic Era Institute of Technology
Name Mr. Harsh Kumar
Father's Name Mr. Krishan Kumar
Date Of Birth 10/04/2003
Nationality India
Gender Male



CONTACT DETAILS

PERMANENT ADDRESS

House No./Apartment Name/Block No H.No 354/34 Gadiyana Nighoi Road
Road/Street/Lane
Area/Landmark Near State Bank Of India
City Shahjahanpur
State Uttar Pradesh
PIN Code 242001
Country India

PRESENT ADDRESS

House No./Apartment Name/Block No H.No 125 Society Area
Road/Street/Lane
Area/Landmark Near Jo Paji Paratha Corner
City Dehradun
State Uttrakhand
PIN Code 248002
Country India

Declaration

1. You have taken all subject marks into consideration for calculating the obtained/Total Marks/CGPA in each of the above mentioned academic qualifications :
Yes
2. The "Marks/CGPA Obtained" entered by you for each of the above mentioned academic qualifications has been secured in the first attempt :
Yes
3. You have considered only the Marks/CGPA obtained during the normal duration of the course for calculating Obtained/Total Marks/CGPA :
Yes
4. You have completed each of the above mentioned academic courses in the stipulated time as specified by your University/Institute and as per TCSL selection guidelines and do not have any extended education:
Yes
5. You have declared break in studies/work experience and pending backlogs,if any, during your academics:
No
6. You have not attended the TCSL Selection Process in the last 6 months:
Yes
7. You have read the TCSL eligibility criteria and understand that your candidature/application/offer/ on boarding is subject to fulfillment of the specified criteria :
Yes

I Mr. Harsh Kumar solemnly declare that the information in this form is truly stated and correct and I am competent to furnish as well as verify it with adequate details whenever requested for by TCSL.

CONTACT DETAILS	
E-mail ID	harshkumar765421@gmail.com
Mobile Number	91 - 8545877642
Alternate E-Mail ID	
Alternate Contact Number	

LANGUAGE DETAILS:				
Language	Mother Tongue	Read	Speak	Write
Hindi	Yes	Yes	Yes	Yes
English	No	Yes	Yes	Yes

TCS RELATED DETAILS:
Have you appeared for TCS Test / Interviews earlier? No

Security Details	
Are you involved in any pending and / or closed Civil / Criminal / case / proceedings / charges / enquiry prior to joining TCS.	No
Are you involved in any pending and / or closed Disciplinary / malpractices and / or any other charges / proceedings / enquiry / case pending against me in any University or any other educational authority / institution prior to joining TCS.	No
<p>"If the answer to any of the above mentioned question is YES give full particulars of the case / arrest /detention / fine /conviction / sentence / punishment etc. and / or the nature of the case pending in the Court / University / Educational authority etc. at the time of filling this form."</p>	

TCS Terms and Conditions

In connection with my application to render services to Tata Consultancy Services Ltd (the "Company"), I hereby agree as follows: I certify that the information furnished in this form as well as in all other forms filled-in by me in conjunction with my traineeship is factually correct and subject to verification by TCS including Reference Check and Background Verification. I accept that an appointment given to me on this basis can be revoked and/ or terminated without any notice at any time in future if any information has been found to be false, misleading, deliberately omitted/suppressed. As a condition of Company's consideration of my application for traineeship with the Company, I hereby give my consent to the Company to investigate or cause to be investigated through any third parties my personal, educational and pre or post joining history. I understand that the background investigation will include, but not be limited to, verification of all information given by me to the Company. I confirm that the Company is entitled to share such investigation report with its clients to the extent necessary in connection with the Services, which I may be required to provide to such clients. I confirm and undertake that the Company shall incur no liability or obligation of any nature whatsoever resulting from such investigation or sharing of the investigation results as above. I certify that I am at present in sound mental and physical condition to undertake employment with TCS. I also declare that there is no criminal case filed against me or pending against me in any Court of law in India or abroad and no restrictions are placed on my travelling anywhere in India or abroad for the purpose of business of the Company.

Your Electronic Signature is:

Name: Mr. Harsh Kumar

Date: 03/03/2025

Place: Dehradun

TCS is an equal opportunity employer that aims to integrate global diversity and inclusion at each level within our organization. Hiring decisions are solely made on the capability of an individual to perform a role. Any personal details like gender, age and nationality that may be provided by you during the course of application or selection process will be used for administrative records and all qualified applicants will receive consideration for employment without regard to this information.